

## Majuro, RMI



**Mooring Location:** 7° 5.01' N , 171° 23.51' E

**Depth:** 300 ftm

<http://www.pacioos.org/waves/buoy-majuro/>

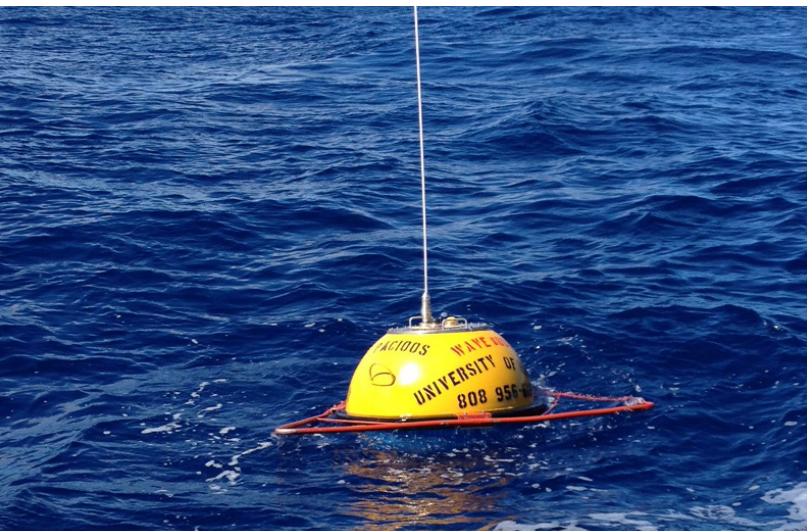
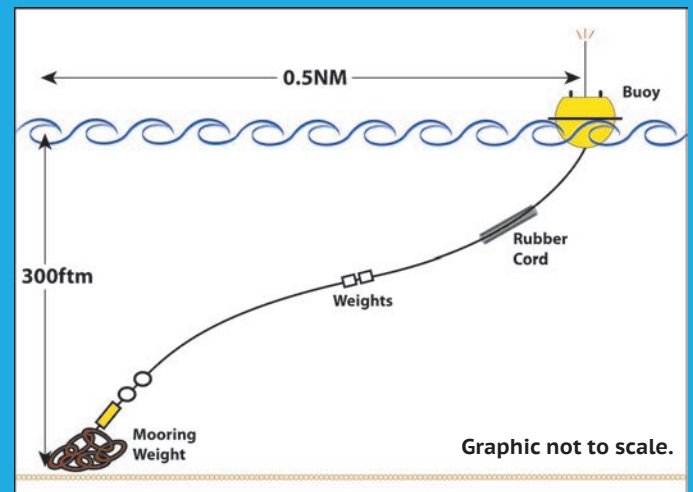
The PacIOOS wave buoy off Majuro was named by College of the Marshall Islands' students after the "Kalo" bird that only flies near land.

**To avoid collision & entanglement,  
stay 1NM offshore!**

The buoy is constantly in motion and can drift up to 0.5NM from its charted position due to the mooring configuration. The mooring line has sufficient slack to allow for various ocean conditions, including big wave events and strong currents.

**To keep the buoy operational:**

- Stay 1NM off Delap Point to avoid collision with the buoy
- Do not tie to the buoy and avoid fishing near the buoy to avoid entanglement



**Wave buoy data are important to make well-informed and safe decisions!**

The yellow buoy is 3ft in diameter and weighs 500lbs. It is equipped with a LED flash light antenna that emits a group of 5 yellow flashes every 20 seconds.

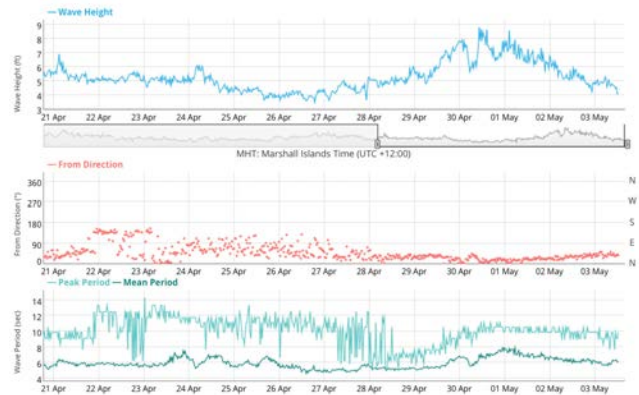
**Contact Information:** Please send an email to [info@pacioos.org](mailto:info@pacioos.org) or call us at (808) 956-8784.

Data on **wave height**, **wave direction**, and **wave period** can be accessed at:  
<http://www.pacioos.org/waves/buoy-majuro/>

### Table Format

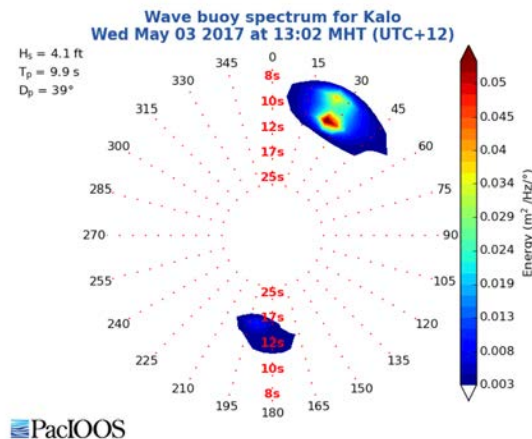
Date MHT (UTC+12)	Wave Height (ft)	From Direction (°)	Peak Period (sec)	Mean Period (sec)
Wed May 3, 2017 12:33 PM	4.10 ft	W 39° (NE)	9.88 sec	6.13 sec
Wed May 3, 2017 12:03 PM	4.07 ft	W 42° (NE)	9.09 sec	6.08 sec
Wed May 3, 2017 11:33 AM	4.53 ft	W 38° (NE)	9.09 sec	6.36 sec
Wed May 3, 2017 11:03 AM	4.46 ft	W 35° (NE)	9.88 sec	6.31 sec
Wed May 3, 2017 10:33 AM	4.63 ft	W 36° (NE)	7.69 sec	6.27 sec
Wed May 3, 2017 10:03 AM	4.66 ft	W 46° (NE)	9.09 sec	6.25 sec
Wed May 3, 2017 9:33 AM	4.72 ft	W 40° (NE)	9.88 sec	6.33 sec
Wed May 3, 2017 9:03 AM	4.79 ft	W 40° (NE)	9.88 sec	6.05 sec
Wed May 3, 2017 8:33 AM	4.63 ft	W 53° (NE)	9.09 sec	5.75 sec
Wed May 3, 2017 8:03 AM	4.69 ft	W 42° (NE)	7.69 sec	5.80 sec
Wed May 3, 2017 7:33 AM	5.05 ft	W 43° (NE)	9.09 sec	5.95 sec
Wed May 3, 2017 7:03 AM	4.82 ft	W 45° (NE)	9.88 sec	5.64 sec
Wed May 3, 2017 6:33 AM	4.56 ft	W 33° (NE)	9.09 sec	5.80 sec
Wed May 3, 2017 6:03 AM	5.12 ft	W 35° (NE)	9.88 sec	5.69 sec
Wed May 3, 2017 5:33 AM	5.28 ft	W 38° (NE)	9.09 sec	5.71 sec

### Graph

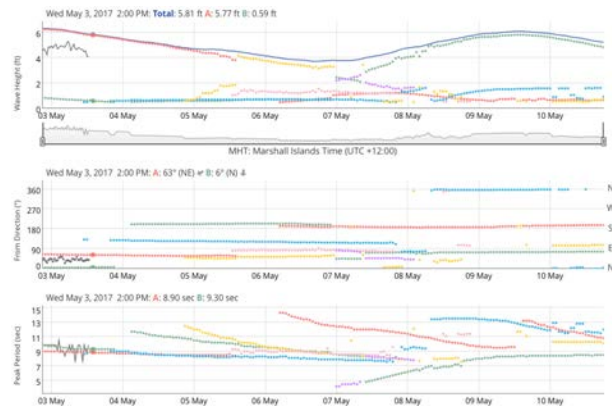


Sample Figures

### Directional Spectrum



### Wave Watch III Forecast



Data on **sea surface temperature** can be accessed at:  
<http://www.pacioos.org/water/buoy-majuro/>

- Significant Wave Height** - The mean wave height of the largest 1/3 waves for a given 30 minute period.
- Dominant Wave Period** - Is the prevailing period with the maximum wave energy. It is measured as the time in seconds between one wave crest to the next wave crest.
- Average Wave Period** - Is the period of all waves during a 30 minute period.
- Direction** - Represents the location from which the wave approaches. 0 degrees represents the North.